



SURFACE VEHICLE RECOMMENDED PRACTICE	J3024™	DEC2024
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Superseding J3024 AUG2014		
Product Safety Signs for Ready Mixed Concrete Trucks		

RATIONALE

Common safety signs recommended by this standard will improve safety by establishing common signs to be used by all manufacturers of ready mixed concrete trucks. Common signs will benefit operators by establishing recognizable reminders of hazards that will be the same no matter who manufactures the product.

SAE J3024 has been reaffirmed to comply with the SAE Five-Year Review policy.

FOREWORD

This document presents safety signs for use on ready mixed concrete trucks.

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1. SCOPE

This document presents a catalog of safety sign text and artwork that can be used by any ready mixed concrete truck manufacturer to warn of common hazards.

2. REFERENCES

2.1 Applicable Publications

The following publications form a part of this specification to the extent specified herein.

2.1.1 SAE Publication

Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or 724-776-4970 (outside USA), www.sae.org.

SAE J2967 Ready Mixed Concrete Truck Recommended Practice

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For more information on this standard, visit https://www.sae.org/standards/content/J3024_202412/

Documents

Standard, visit Sharing Hub

2.1.2 ISO Publications

Available from American National Standards Institute, 25 West 43rd Street, New York, NY 10036-8002, Tel: 212-642-4900, www.ansi.org.

ISO 9244 Earth-moving machinery – Machine safety labels – General Principles

ISO 7010 Graphical symbols – Safety colours and safety signs – Registered safety signs

2.1.3 Other Publications

ANSI Z535.4 American National Standard for Product Safety Signs and labels

ANSI Z535.6 American National Standard for Product Safety Information in Product Manuals, instructions, and Other Collateral Materials

3. DEFINITIONS

3.1 Product Safety Sign

Sign, label, or decal affixed to a product that provides safety information concerning the hazard, the degree or level of hazard seriousness, the probable consequence of involvement with the hazard, and how the hazard can be avoided.

4. GENERAL

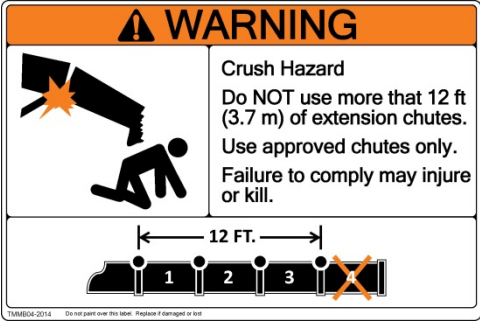
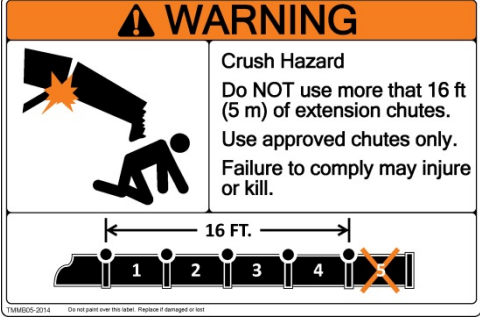
- 4.1 The product safety signs shown in this document are designed for sufficiency of text and graphic size with respect to each hazard.
- 4.2 Limitations inherent in some reproduction and display technologies may require increased line thickness or other minor modifications of symbols. Such modifications are acceptable provided the symbol is unchanged in its basic graphical elements and remains easily discernible by the operator.
- 4.3 To improve the appearance and perceptibility of a safety sign, or to coordinate with the design of the equipment to which the sign is applied, it may be necessary to change the line thickness or round the corners of a symbol. The graphic designer is free to make such changes, provided that the essential perceptual characteristics of the symbol are maintained.
- 4.4 Some of the product safety signs included in this document are provided with “textless” two-panel versions developed using the guidelines found in ISO 7010. These versions may be used in place of the ANSI Z535.4 signs at the option of the manufacturer.
- 4.5 Symbols on controls and displays shall have good contrast to their background. Pictorials may use either a light symbol on a dark background or a dark symbol on a light background at the manufacturer's discretion. When a pictorial image is reversed (for example, from black-on-white to white-on-black and vice versa), it shall be done for the entire pictorial.
- 4.6 Product safety signs should be located as close as practical to the recommended locations.
- 4.7 Reference numbers are provided as a convenience to the organization of this document and need not appear on the final product.
- 4.8 All standard ISO version signs are 6.65 in. tall by 3.35 in. wide.
- 4.9 Font sizes are based on using Microsoft Sans Serif.
- 4.10 All required signs, instruction plates, and labels shall be permanent in nature and securely attached.

- 4.11 The signs shall have resistance to damage from UV radiation, temperatures between –30°F and 176°F (–35°C and 80°C) and exposure to cleaning fluids, oil, fuel, water, hydraulic fluids, or other fluids used on the vehicle.
- 4.12 Text for required signs, instruction plates, and labels shall be provided in the primary language of the country of original destination. For equipment originally destined for service in the United States, this language would be English. Given the fact that there are nearly 7000 known languages in the world, it is impractical to provide information in every potential user's primary language. If employers hire operators with limited knowledge of the country's primary language, a training program should account for this.
- 4.13 Colors shall conform to the following specification chart

Color	Pantone©	Process Color				sRGB			HTML Code
		C	M	Y	K	R	G	B	
Blue	2945C	100	52	2	12	0	84	159	00549F
Green	3415C	100	5	72	24	0	122	77	007A4D
Orange	152C	0	62	100	0	225	112	0	E17000
Red	485C	0	93	95	0	213	43	30	D52B1E
White		0	0	0	0	255	255	255	FFFFFF
Yellow	109C	0	10	100	0	254	209	0	FED100

5. SAFETY SIGN TEXT AND ARTWORK

Ref Number	Hazard	Location	Size (in.)	Font Size	ANSI Version	ISO Version
TMMB01	Chute Pinch and Crush	One on each side of main chute.	4.0 x 6.0	18		 TMMB01GA  TMMB01GB

Ref Number	Hazard	Location	Size (in.)	Font Size	ANSI Version	ISO Version
TMMB02	Chute Extensions Secured	Visible to operator storing extension chutes in chute storage area.	3.0 x 6.0	16		 TMMB02G
TMMB03	Chute Extension Limit 8 Feet	On both sides of main chute, or visible to operator at extension chute storage area.	4.0 x 6.0	18		 TMMB03G
TMMB04	Chute Extension Limit 12 Feet	On both sides of main chute, or visible to operator at extension chute storage area.	4.0 x 6.0	18		 TMMB04G
TMMB05	Chute Extension Limit 16 Feet	On both sides of main chute, or visible to operator at extension chute storage area.	4.0 x 6.0	18		 TMMB05G